Contents

1. Financial Results for FY2012
2. Financial Outlook for FY2013
3. Progress of Mid-Term Business Plan
4. Investment Plan and Financial Status
5. Conclusion
Accident at Iwakuni-Ohtake Works

- On April 22, 2012 an explosion and fire occurred at the resorcinol plant
- Following the accident, an “Accident Investigation Committee” (AIC) comprised of external specialists was formed
  The Committee approved MCI’s preventive measures
- Following the accident, a “Fundamental Safety Committee” comprised of members from across the company was formed

3 subjects were extracted and 11 ongoing countermeasures were implemented

Thoroughly implement “fundamental safety measures” and cultivate an impressive “safety record” to regain society’s trust
## Financial Results for FY2012

<table>
<thead>
<tr>
<th>Items</th>
<th>FY2011 Results</th>
<th>FY2012 Results</th>
<th>Increase (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td>1,454.0</td>
<td>1,406.2</td>
<td>-47.8</td>
</tr>
<tr>
<td>Operating income</td>
<td>21.6</td>
<td>4.3</td>
<td>-17.3</td>
</tr>
<tr>
<td>Non-operating income</td>
<td>1.3</td>
<td>8.8</td>
<td>7.5</td>
</tr>
<tr>
<td>Ordinary income</td>
<td>22.9</td>
<td>9.2</td>
<td>-13.7</td>
</tr>
<tr>
<td>Special gains</td>
<td>-6.5</td>
<td>-10.0</td>
<td>-3.5</td>
</tr>
<tr>
<td>Net income before income taxes and minority interest</td>
<td>16.4</td>
<td>-0.8</td>
<td>-17.2</td>
</tr>
<tr>
<td>Net income</td>
<td>-1.0</td>
<td>-8.1</td>
<td>-7.1</td>
</tr>
</tbody>
</table>

| Exchange Rate (Yen/US$)                    | 79             | 83             | 4                   |
| Domestic Standard Naphtha Price (Yen/KL)   | 54,900         | 57,500         | 2,600               |

| Interest-bearing liabilities               | 464.8          | 507.2          | 42.4                |
| Equity                                     | 367.4          | 376.8          | 9.4                 |
| D/E ratio                                  | 1.27           | 1.35           | 0.08                |
| Dividend                                   | 6 yen/share    | 6 yen/share    | -                   |
## Operating Income for FY2012

<table>
<thead>
<tr>
<th>Segment</th>
<th>FY2011</th>
<th>FY2012</th>
<th>Change from FY11</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Functional Chemicals</td>
<td>11.7</td>
<td>12.4</td>
<td>0.7</td>
<td>Expanded overseas demand</td>
</tr>
<tr>
<td>Functional Polymeric Materials</td>
<td>8.2</td>
<td>8.4</td>
<td>0.2</td>
<td>Increased sales volume</td>
</tr>
<tr>
<td>Polyurethane</td>
<td>△14.6</td>
<td>△2.6</td>
<td>△12.0</td>
<td>Increased sales volume, Improvement in overseas markets</td>
</tr>
<tr>
<td>Basic Chemicals</td>
<td>8.6</td>
<td>△18.9</td>
<td>△27.5</td>
<td>Accident at Iwakuni-Ohtake Works, Market downturn</td>
</tr>
<tr>
<td>Petrochemicals</td>
<td>8.9</td>
<td>7.7</td>
<td>△1.2</td>
<td>Deterioration in terms of trade, Power trouble at Ichihara Works</td>
</tr>
<tr>
<td>Film &amp; Sheets</td>
<td>0.2</td>
<td>△3.3</td>
<td>△3.5</td>
<td>Delay in demand recovery for solar cells, Decreased net sales</td>
</tr>
<tr>
<td><strong>Total (including &quot;others&quot;)</strong></td>
<td>21.6</td>
<td>4.3</td>
<td>△17.3</td>
<td></td>
</tr>
</tbody>
</table>
1. Financial Results for FY2012
2. Financial Outlook for FY2013
3. Progress of Mid-Term Business Plan
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Global Economy
- Expansion of U.S. economy
- Progress of austerity relief in Europe
- Economic slowdown in China and India
⇒ Global economy is projected gradually recover

Japanese Economy
- “Abenomics” monetary easing, financial policy, growth strategy
- Weakening of yen and rising stock prices
- Increased demand related to 2011 earthquake
- Increased demand before consumption tax increase

Although there is a turnaround risk in emerging markets, overall the global economy is expected to recover in the second half of FY2013
## Financial Outlook for FY2013

<table>
<thead>
<tr>
<th>Items</th>
<th>FY2012 Results</th>
<th>FY2013 Outlook</th>
<th>Increase (Decrease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td>1,406.2</td>
<td>1,600.0</td>
<td>193.8</td>
</tr>
<tr>
<td>Operating income</td>
<td>4.3</td>
<td>28.0</td>
<td>23.7</td>
</tr>
<tr>
<td>Non-operating income</td>
<td>4.9</td>
<td>△5.0</td>
<td>△9.9</td>
</tr>
<tr>
<td>Ordinary income</td>
<td>9.2</td>
<td>23.0</td>
<td>13.8</td>
</tr>
<tr>
<td>Special gains</td>
<td>△10.0</td>
<td>△8.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Net income</td>
<td>△8.1</td>
<td>5.0</td>
<td>13.1</td>
</tr>
</tbody>
</table>

Exchange Rate (Yen/US$)  | 83             | 95             | 12                  |
Domestic Standard Naphtha Price (Yen/KL) | 57,500 | 63,000 | 5,500 |
## Operating Income for FY2013

<table>
<thead>
<tr>
<th>Segment</th>
<th>FY2012 (Full)</th>
<th>FY2013 (Outlook)</th>
<th>Change from FY2012</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Half</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Half</td>
</tr>
<tr>
<td>Functional Chemicals</td>
<td>12.4</td>
<td>6.5</td>
<td>9.0</td>
</tr>
<tr>
<td>Functional Polymeric Materials</td>
<td>8.4</td>
<td>4.5</td>
<td>6.0</td>
</tr>
<tr>
<td>Polyurethane</td>
<td>△2.6</td>
<td>2.5</td>
<td>4.5</td>
</tr>
<tr>
<td>Basic Chemicals</td>
<td>△18.9</td>
<td>△9.0</td>
<td>△5.0</td>
</tr>
<tr>
<td>Petrochemicals</td>
<td>7.7</td>
<td>4.5</td>
<td>11.5</td>
</tr>
<tr>
<td>Film &amp; Sheets</td>
<td>△3.3</td>
<td>△1.0</td>
<td>△1.0</td>
</tr>
<tr>
<td><strong>Total (incl. Others)</strong></td>
<td>4.3</td>
<td>5.0</td>
<td>23.0</td>
</tr>
</tbody>
</table>
Operating Income (FY2012 Results → FY2013 Outlook)

FY2013 effects of recovery from accident, etc
Operating income forecast 28 billion yen

Changes in FY of overseas subsidiaries
- Price, etc: +4
- Sales volume: +7
- Polyurethane (incl. streamlining)

Increase sales volume
- (Functional Chemicals, Polyurethane, Functional Polymeric Materials)

Investment effect

FY12
- △9 Accident at Iwakuni
- Power trouble at Ichihara

FY13 (Outlook)
- Polyurethane effect: +4
- Operational streamlining: +4

(Factors in FY12/FY13)
In 1st half and 2nd half, effects of periodic maintenance, changes in accounting periods of overseas subsidiaries result in major differences.

Sales volume: +4 billion yen
Price, etc: +6 billion yen
Periodic maintenance, Cost cuts: +5 billion yen
Changes in FY of overseas subsidiaries: +3 billion yen

- Improvement market price (Polyurethane, PTA, PH)
- Petrochemicals
  (Price path-through gap)

1st Half FY13

(Factors in first/second half)

2nd Half FY13

Total: 23 billion yen
1. Financial Results for FY2012
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Mid-Term Business Strategy

Target of Mitsui Chemicals Group

- Establish business portfolio for growth and sustainability
- Establish global presence focusing on Asia

“5-5-5 Strategy”

- Channeling management resources into 3 key areas
- Target 100 billion yen in operating income as a chemical company with an undisputed global presence
Selection and Concentration on 3 Key Areas

1. **“High Functional Products”** to solve global issues such as food, health, and ageing
   - Early actualization and expansion through M&As and collaborations
     - Healthcare (optical lens monomer, dental materials, nonwovens)
     - Agrochemicals

2. **“High Value Added Polymers”** based on proprietary technology such as high performance catalysts
   - Reinforce high added value and acceleration of global deployment
     - Metallocene polymers (Evolue, Tafmer, EPT)
     - High function compounds (PP compounds, Admer)

3. **“Phenol Chains”** with global presence
   - Restructuring measures for large-scale, unprofitable businesses
- Changes in Business Portfolio -

“High Functional Products”
Progress with Strategy
Strategy of High Functional Products

Early actualization and expansion through M&As and collaborations

Healthcare
- Acquisition of Acomon in Switzerland (Apr.2011)
- Acquisition of KOC in Korea (Mar.2013)
- Completion of construction at SDC Singapore (Sep.2013)
- Acquisition of Heraeus Dental in Germany (Jun.2013)
  (World’s 6th largest dental materials provider)
- Increase production capacity in Japan (Jun.2012)
- Establish new base in China (Sep.2013)

Optical Lens Monomers

Dental Materials
- Acquisition of Heraeus Dental in Germany (Jun.2013)

Nonwovens
- Increase production capacity in Japan (Jun.2012)
- Establish new base in China (Sep.2013)

Agrochemicals
- Acquire stake of Sotus in Thailand (May.2011)
- Acquire stake of Iharabras in Brazil (Sep.2011)
- Progress in register/launch of new ingredients
  India/Insecticide (Jul.2012), N.A/Fungicide (Sep.2012)
  China/Insecticide (Mar.2013), Europe/Fungicide (Apr.2013)
- Continue expansion of active ingredient pipeline

Pesticides
“High Functional Products”

Optical Lens Monomers
1. Optical Lens Monomers

- Acquisition of KOC in Korea (May. 2013)
  Secure global presence as a top player by strengthening position in expanding Asian market

- Establish SDC Asia Pacific in Singapore (construction completion: Sep. 2013)
  Strengthen lens coating products in Asia

Secure position as global leader with total solution in optical lens

- World’s widest lens monomers lineup ranging from low refractive to high refractive lenses
- Proposals covering lineup ranging from lens monomers to coatings
Acquisition of Heraeus Dental

“High Functional Products”
2-1. Dental Materials – Conditions & Themes

**Mitsui Chemicals**
- Collaboration in R&D, manufacture, sales
- Polymer, synthesis, molding technology
- Capital/Collaboration in R&D

**Sunmedical (70%)**
- Strong presence in domestic market with over 30 years experience in dental adhesive materials

**Shofu (11.17%)**
- 2nd largest domestic dental material maker

Global platform required for future growth

Acquisition of the world’s 6th largest Heraeus Dental which boasts a global network in 22 countries
2-2. Dental Material Market

- Global dental material market will stably grow at a rate of 6 – 7% due to ageing of world population
- Good Asian potential from high growth (over 8%)
- Synergy effect of shift from metal to plastics using Mitsui Chemicals’ polymer technology

Dental Material Market Growth by Area

<Average Growth>

<table>
<thead>
<tr>
<th>Area</th>
<th>'09-12</th>
<th>'12-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. America</td>
<td>6.4%</td>
<td>6.5%</td>
</tr>
<tr>
<td>S. America</td>
<td>6.3%</td>
<td>6.2%</td>
</tr>
<tr>
<td>EU</td>
<td>6.6%</td>
<td>6.7%</td>
</tr>
<tr>
<td>Japan</td>
<td>7.3%</td>
<td>7.4%</td>
</tr>
<tr>
<td>Asia (excl. Japan)</td>
<td>8.4%</td>
<td>8.5%</td>
</tr>
<tr>
<td>Others</td>
<td>5.6%</td>
<td>5.7%</td>
</tr>
<tr>
<td>Total</td>
<td>6.7%</td>
<td>6.8%</td>
</tr>
</tbody>
</table>

Source: market research company
## 2-3. Heraeus Dental Acquisition

<table>
<thead>
<tr>
<th>Agreement</th>
<th>April 4, 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Share transfer</td>
<td>June 2013 (tentative)</td>
</tr>
<tr>
<td>Company</td>
<td>Heraeus Kulzer GmbH (German) head office and 26 subsidiaries (share deal 17, asset deal 9)</td>
</tr>
<tr>
<td>Establishment</td>
<td>1935</td>
</tr>
<tr>
<td>Sites</td>
<td>Sales sites: 22 countries (26 sites)</td>
</tr>
<tr>
<td></td>
<td>Manufacture sites: 5 countries (9 sites)</td>
</tr>
<tr>
<td></td>
<td>Europe 14 companies (Germany, The Netherlands, Sweden, etc.)</td>
</tr>
<tr>
<td></td>
<td>Americas 3 companies (US, Mexico, Brazil)</td>
</tr>
<tr>
<td></td>
<td>Asia/Oceania 9 companies (Japan, China, Australia, etc.)</td>
</tr>
<tr>
<td>Employees</td>
<td>Approximately 1400</td>
</tr>
<tr>
<td>Consolidated sales</td>
<td>353.6 million EUR (2012)</td>
</tr>
<tr>
<td>Purchase price</td>
<td>450 million EUR</td>
</tr>
</tbody>
</table>

Major step in portfolio transformation
Rationalization to strengthen competitiveness and synergy of future strategy for stable profitability

- Expansion through global manufacture and sales
  Expand Heraeus Dental sales in Japan and Asia
  Global expansion of Sunmedical products
- Joint development of new product using proprietary polymer technology etc.

Strategies to strengthen competitiveness

(Operating income: million €)

ROS (%)

10%

5%

FY12  FY13  FY14  FY15
“High Functional Products”

Nonwovens
3. Highly Functional Nonwovens

- New base in China (15KTA, operation start: Sep. 2013)
- Increase production capacity in Japan (15KTA, operation start: Jun. 2012)

⇒ 3 production bases to establish No.1 market share in Asia for highly functional nonwovens

Share of highly functional nonwovens for hygienic products in Asia
- Demand to grow by 70% in the coming five years -

Total investment 10 billion yen
- Changes in Business Portfolio -

“High Value Added Polymers”
Progress with Strategy
Reinforce high added value and acceleration of global deployment

Metallocene Polymers

- Evolue
  - Establish new base in Singapore (2Q, 2015)

- Tafmer
  - Increase capacity for specialty Tafmer (1Q, 2014)

- EPT
  - Establish new base in China (1Q. 2014)

High Function Compounds

- PP compounds
  - Acquisition of Produmaster in Brazil (May. 2012)
  - Increase capacity at several bases (U.S.A, Mexico, Thailand, China)

- Admer
  - Establish new base in China (4Q. 2014)
“High Value Added Polymers”

PP compounds
PP compounds

- New base in Brazil through acquisition (May 2012)
  Production augmentation at several bases
- Recognized by General Motors as 2012 Supplier of the Year
  (First time for Japanese compounds producer)

Secure position as global leader with capacity from 740KTA (FY10) to 943KTA (FY13)
Restructuring Measures for Large-scale, Low-profit Businesses
Restructuring Measures

Extensive reforms and cost reduction

Restructuring of Aroma Derivatives
  - Phenol Chains
  - Purified Terephthalic Acid (PTA)
  - Polyurethane

Restructuring of Petrochemicals
  - Polyolefin
  - Ethylene Center
1. Restructuring of Aroma Derivatives

Restructuring of Aroma Derivatives

Phenol Chains

① Strengthen cost competitiveness
   (Improvement in consumption of acetic acid)
② Adjustment to operations in Thailand
   (1 plant: temporary suspension)
③ Cost reduction (minus 3.5 billion yen, FY2013)
④ Secure competitive raw materials
   (Nghi Son project)

Purified Terephthalic Acid (PTA)

① Rationalization
   - Suspension of Chiba Polyol (28KTA, Jun.2012)
② Impairment of polyurethane business (FY11)
③ Cost reduction (FY15 target 8 billion yen)
   - Further cost cuts (target 9.5 billion yen)
④ Collaboration with SABIC

Polyurethane

① Acetone based IPA (60KTA, Apr.2013)
② New derivatives (Anone process, 1st H 2013)
③ Cost reduction (minus 3.5 billion yen, FY2013)
④ Secure competitive raw materials
   (Nghi Son project)

(Acetone based IPA)

Extensive Restructuring

Large-scale, low profit

Phenol Chains

Restructuring of
Aroma Derivatives

Polyurethane

1. Restructuring of Aroma Derivatives
2-1. Restructuring of Petrochemicals

Restructuring of Petrochemicals

Polyolefin

1. Rationalization
   - Suspension of 2 PP plants
   - Suspension of HDPE plant (Chiba: 130KTA, Apr. 2013)

2. Cost reduction
   - Achieved 7 billion yen in FY11 and FY12 against FY10
   - Target 3 billion yen in FY13
     (Total cost reduction: 10 billion yen)

Ethylene Center

1. Optimum operation using LLP
2. Implement low run rate measures (Chiba LLP)
   - Economic efficiency even at 70% run rate (Aug. 2013)
3. Withdrawal from Keiyo Ethylene (May. 2015)
4. Further restructuring
- Japanese ethylene demand drops to 5 million tons
  ⇒ Establish optimum operations for switchover to low run rates

- Expanded use of LLP
- Further restructuring for optimum efficiency
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**Effect of Investments for Three Key Areas**

**Focus 90% of growth investments on “High Functional Products” and “High Value Added Polymers”**

**FY11-13 Growth investments (incl. Heraeus Dental M&A)**

- **High Value Added Polymers**
- **Phenol Chains**
- **High Functional Products**
- **Others**

**130 billion yen**

**Heraeus Dental M&A**

**Investment effect (50 themes)**

**33**

(billions of yen)

<table>
<thead>
<tr>
<th>Years</th>
<th>High Functional Products</th>
<th>High Value Added Polymers</th>
<th>Phenol Chains</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY13</td>
<td>1.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FY15</td>
<td>23</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>FY17</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Effect of growth investments during Mid-Term Business Plan will result in rapid expansion after FY2014**
Over 50 ongoing investment themes

(Operating income: billion yen)

- Mega solar
- Electrolyte solution
- Improvement in consumption of acetic acid
- Acetone based IPA
- New phenol base in China

- PP compounds (Capacity increase)
- Tafmer (Specialty grade)
- New EPT base in China
- HZ Million (Capacity increase)

- Heraeus Dental
- ACOMON, KOC, SDC
- Agrochemicals
- Nonwovens (New base, capacity increase)

High Functional Products

Phenol Chains

Others

High Value Added Polymers

FY13

FY15

FY17
Restructure business portfolio towards “High Functional Products” and “High Value Added Polymers” which are resilient to economic change (Operating income of 2 key areas will account for 90%)
Progress in Cost Reduction

FY11 results: 15 billion yen, FY12 results: 11 billion yen
FY13 target: 9 billion yen
Actual cost cuts exceed target of Mid-Term Business Plan

FY13 target
9 billion yen
- Polyolefin
- Polyurethane
- Basic Chemicals
- Films & Sheets
Financial Outlook

Execute strategy while balancing financial structure through concentrating investments and reducing costs

(billion yen)

D/E ratio

incl. Heraeus Dental M&A

Note) excl. impact of applying the revised accounting standard of retirement benefit obligations at end of FY13
Dividends in FY2013 forecasted at 6 yen for full year
(3 yen midterm, 3 yen year end)

Efforts to continue stable dividend payout
consolidated dividend payout ratio target: over 25%,
DOE target: over 2%
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Conclusion

“Aggressive Management for Results”

- Implement ongoing restructuring measures for large-scale, low-profit businesses

- Target operating income of over 28 billion yen in FY13

- Stable earning growth in implemented large-scale M&A investments, PMI of M&As

⇒ Accomplishment of portfolio transformation resilient to economic change
Growth Path to Target

(Operating income: billion yen)

Strengthen and Expand
“High Functional Products”
“High Value Added Polymers”

Investment Effect

Restructure
Eliminate Deficit

Target 100 billion yen

28
20
33
20
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Supplement
Operating Income from FY09

- Target operating income at **28 billion yen** for FY13
- Steady growth path without negative special factors including explosion and fire
# Progress of High Functional Products

<table>
<thead>
<tr>
<th></th>
<th>FY2011</th>
<th>FY2012</th>
<th>FY2013</th>
<th>FY2014~</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Healthcare</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optical Lens Monomers</td>
<td>Further strengthening as a top player</td>
<td>Establish 3 bases in Asia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dental Materials</td>
<td>Secure global base</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonwovens</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Agrochemicals</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pesticides</td>
<td>THA) Acquire stake in Sotus</td>
<td>BRA) Acquire stake in Iharabras</td>
<td>IND) Launch of insecticide</td>
<td>CHN) Launch of insecticide</td>
</tr>
<tr>
<td></td>
<td>Secure global bases</td>
<td></td>
<td>U.S.A.) Launch of fungicide</td>
<td>EU) Launch of fungicide</td>
</tr>
<tr>
<td></td>
<td>Progress in registration</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Steady progress of “High Functional Products” which are resilient to economic change

- **CHE)** Acomon acquisition
- **JPN)** Increase capacity
- **GER)** Heraeus Dental acquisition
- **KOR)** KOC acquisition
- **CHN)** New base
- **SGP)** SDC new base
- **THA)** Acquire stake in Sotus
- **BRA)** Acquire stake in Iharabras
- **IND)** Launch of insecticide
- **U.S.A.)** Launch of fungicide
- **CHN)** Launch of insecticide
- **EU)** Launch of fungicide
- **BRA)** Launch of insecticide
**Products and Services of Heraeus Dental**

<table>
<thead>
<tr>
<th>Business Area</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prosthetics</strong></td>
<td>Alloys</td>
</tr>
<tr>
<td></td>
<td>Artificial teeth</td>
</tr>
<tr>
<td></td>
<td>Dentures materials</td>
</tr>
<tr>
<td><strong>Dentistry</strong></td>
<td>Composites</td>
</tr>
<tr>
<td></td>
<td>Bonding</td>
</tr>
<tr>
<td></td>
<td>Impressions</td>
</tr>
<tr>
<td><strong>Digital Prosthetics</strong></td>
<td>Digital scanner</td>
</tr>
<tr>
<td></td>
<td>3D machining</td>
</tr>
</tbody>
</table>

Source: Heraeus Dental Homepage
Bases of Heraeus Dental

- 22 business offices in 22 countries
- 9 manufacturing bases in 5 countries

※New manufacturing base planned for Romania
## Progress of High Value Added Polymers

### Metalocene Polymers
- **Evolue**
  - Strengthen market share in Asia
- **Tafmer**
  - Secure world’s top share
- **EPT**
  - Strengthen market share in Asia

### High Function Compounds
- **PP compounds**
  - Secure position as global leader with 8 bases
- **Admer**
  - Secure world’s top share

<table>
<thead>
<tr>
<th></th>
<th>FY2011</th>
<th>FY2012</th>
<th>FY2013</th>
<th>FY2014~</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>JPN</strong></td>
<td></td>
<td></td>
<td>Increase capacity (+50KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>U.S.A.</strong></td>
<td></td>
<td></td>
<td>(+28KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>(+14KTA)</strong></td>
<td></td>
<td></td>
<td>(+14KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>MEX</strong></td>
<td></td>
<td></td>
<td>Increase capacity (+13KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>(+25KTA)</strong></td>
<td></td>
<td></td>
<td>(+13KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>BRA</strong></td>
<td></td>
<td></td>
<td>Produmaster acquisition (+55KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>THA</strong></td>
<td></td>
<td></td>
<td>Increase capacity (+18KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>(+28KTA)</strong></td>
<td></td>
<td></td>
<td>(+18KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>CHN</strong></td>
<td></td>
<td></td>
<td>Increase capacity (+9KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>(+10KTA)</strong></td>
<td></td>
<td></td>
<td>(+9KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>SGP</strong></td>
<td></td>
<td>New base (300KTA, 2015)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>(8KTA)</strong></td>
<td></td>
<td></td>
<td>(+8KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>SGP</strong></td>
<td></td>
<td>New base (8KTA)</td>
<td>Secure position as global leader with 8 bases</td>
<td></td>
</tr>
<tr>
<td><strong>CHN</strong></td>
<td></td>
<td>New base (75KTA)</td>
<td>Increase capacity (+9KTA)</td>
<td>CHN) New base</td>
</tr>
<tr>
<td><strong>(300KTA)</strong></td>
<td></td>
<td></td>
<td>(+9KTA)</td>
<td></td>
</tr>
<tr>
<td><strong>(2015)</strong></td>
<td></td>
<td></td>
<td>(+9KTA)</td>
<td></td>
</tr>
</tbody>
</table>

**Big projects will start up after FY2014**
Globalization - Overseas Sales Share

Target overseas sales expansion at 46% for FY13 and over 50% for FY15 by strengthening globalization efforts.

- Overseas sales share
  - FY09: 39.5%
  - FY12: 43%
  - FY13(forecast): 46%
  - FY15(forcast): 50%

- Strategic overseas sales share
  - FY09: 18%
  - FY12: 25%
  - FY13(forecast): 28%
  - FY15(forcast): 33%

(Exchange rate) 93Yen/US$ → 83Yen/US$ → 95Yen/US$

(incl. Heraeus Dental from mid FY13)
Overseas Group personnel ratio expected to grow from 19% in FY08 to 34% in FY13 as a result of globalization.
Product Topics
Integrated Metal/Resin Processing

Outline
- Mitsui Chemicals and Taiseiplas successfully developed integral molding technology for polypropylene and metals which allows strength and weight reduction

Features
- Allows integral molding of polypropylene - a general purpose, lightweight plastic - with general purpose metals such as aluminum
- Allows easy molding of complex shaped materials
- Allows bending strength similar to iron while reducing weight by 1/3 when proprietary foaming technology is applied

Supply of next-generation automobile seat frame, pillar, and door material samples in late FY2013

Contributes to lighter weight, better insulation, increased soundproofing of automobiles with less fuel consumption and improved comfort
SPASH™ (Freshness Retention Films)

- Freshness retention film for vegetables, flowers, fish, meat, and processed foods

Features
- SPASH™ helps retain freshness without sealing as is necessary when using conventional modified atmosphere films
- SPASH™ helps suppress "wilting", "discoloration" and "dripping" of the contents, contributing to freshness and better taste

Used nationwide at agricultural cooperatives, fruit shops, restaurants, convenience stores, and seafood processors

Reduces food loss during shipment, in-store, at home
Allows scheduling adjustments to shipping time
Mitsuhikari (Hybrid Rice Seeds)

■ Outline
- High quality hybrid rice seeds with high productivity and good taste
  *Hybrid seeds are not genetically modified seeds

■ Features
- Allows 1.5 times more productivity than conventional rice seeds
- Allows longer harvest periods than conventional rice
- Allows adjustment to harvest periods to avoid peak seasons

Increased use due to adoption by major restaurant chains and large-scale farms

Contributes to competitiveness and efficiency of farmers and agricultural cooperatives by high productivity and harvesting adjustments
NOTIO™ SN (Controlled Nano Structure Elastomer)

- State-of-the-art syndiotactic elastomer with controlled nano structure with expanded uses as synthetic leather

- NOTIO™ SN has superior scratch, abrasion, moisture, and mold resistance. Synthetic leathers using NOTIO™ SN are lightweight, phthalate-free, and organic solvent-free

Widely used in bags, wallets, small leather items, shoes, automobile interiors, furniture and so on with good evaluation results

Contributes to lighter weights, better durability, freedom in design, and environment friendly products with high consumer appeal
PROVEST™ (Heat Resistant Polyester Resin)

- **Outline**
  - Polyester engineering plastic with high heat resistance
- **Features**
  - High heat resistance, yellow discoloration resistance
  - High reflectance, long-term quality stability

Good evaluation as LED reflectors suited to growing needs for lighting applications and display backlights which require high-power LED substrate with good heat resistance

Contributes to high quality, small-size, long-term stability of LED lighting
**Syntex™ nano (Microfiber Nonwovens)**

**Outline**
- Microfiber meltblown nonwovens formed with super fine fiber 1.0 μm or smaller in size.

**Features**
- By applying proprietary technology to “melt-blown” manufacturing methods for nonwovens, microfiber of the nano-level with fine pores with good bulk and high flow rates to prevent inclusion of fine particles is possible.
- Unlike other microfibers with micro diameter particles, binder and solvents are not used, allowing extra-fine non-woven clean with no secondary pollution, such as elution.

**Syntex™ nano 3 type**
**Syntex™ nano 6 type**
**Syntex™ Standard 5 μm**

**Fine fiber**: Expanded use in liquid filters

Fine nano-level fibers can be used in precise filter applications
Organic EL Seal Material

**Outline**
- Development of seal material for organic EL using MCI’s proprietary polymer technologies

**Features**
- Low moisture content reduces damage to organic EL elements
- High transparency improves lighting efficiency
- Optimum material design for top emission structure

Good evaluations received for use in organic EL displays and lighting

Contributes to quality stability and long life of organic EL
Contributes to larger size, flexible displays
ExfoLa™ (Silicon-based Surface Modifier)

- Innovative modifier which transforms surfaces to be silicon-rich when added in small amounts to polyolefin without negative effects on “moldability”

- Modifies surfaces for better release, water repellency, oil repellency, and abrasion resistance
- ExfoLa™ resolves contamination and transfer caused by bleed out with its good polyolefin compatibility

Receiving good evaluations for use in release films, cosmetic containers, healthcare materials, etc.

Expected to contribute to improved release in polyolefin films and lessening of liquid residue in containers
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